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WHAT IS CLAIMED IS:

1. A compound of Formula (I):

$$Z^1$$
 O
 $CH_2)_n$
 CH_2

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or an optical isomer, enantiomer, diastereomer, racemate or racemic mixture thereof, ester, prodrug form, or a pharmaceutically acceptable salt thereof, wherein

A is selected from aryl, heterocyclyl, and C_1 - C_{10} alkyl, said aryl, heterocyclyl, and C_1 - C_{10} alkyl being optionally substituted with one or more members selected from the group consisting of halogen, OH, aryl, C_3 - C_8 cycloalkyl, C_1 - C_{10} alkyl substituted with a halogen, C_1 - C_{10} alkyl ether, heterocyclyl, carbonyl, oxime, $(-N(R^1)(SO_2R))$ - $C(NNR^3R^4)R^1$, $-COOR^1$, $-CONR^1R^2$, $-OC(O)R^1$, $-OC(O)R^1$, $-OC(O)NR^1R^2$, $-NR^1R^2$, $-NR^3C(O)R^1$, $-NR^3C(O)OR^1$, and $-NR^3C(O)NR^1R^2$, wherein

Ris selected from C_1 - C_6 alkyl, trifluoromethyl, phenyl, and substituted phenyl;

 R^1 and R^2 are independently selected from hydrogen, C_1 - C_{10} alkyl, aryl, heterocyclyl, and alkylaryl, or R^1 and R^2 may be taken together to form a 5- to 10-member ring; and

 R^3 and R^4 are independently selected from hydrogen, C_1-C_{10} alkyl, aryl, heterocyclyl, alkylaryl, $-C(0)R^1$, or $-C(0)NR^1R^2$;

 Z^1 is selected from hydrogen, C_1 - C_6 alkyl, aryl, heterocyclyl, $COOR^1$, $CONR^1R^2$, OH, C_1 - C_6 alkyl ether, - $OC(O)R^1$, $-OC(O)OR^1$, $-OC(O)NR^1R^2$, $-NR^1R^2$, $-NR^3C(O)R^1$, -

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 $NR^3C(O)OR^1$, $-NR^3C(O)NR^1R^2$, halogen, $-C(O)R^1$, $-C(NR^3)R^1$, $-C(NOR^3)R^1$, and $-C(NNR^3R^4)R^1$;

 Z^2 is selected from hydrogen, halogen, C_1 - C_6 alkyl;

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 Z^1 and Z^2 may together form a fused aromatic ring;

n is an integer from 0 to 3;

10 G is selected from $-COOR^1$, $-C(O)COOR^1$, $-CONR^1R^2$, $-CF_3$, $-P(O)(OR^1)(OR^2)$, $-S-R^8$, $\left(-O-R^8\right)$

 R^7 is hydrogen, C_1-C_6 alkyl, or $-C(0)R^5$;

15 R^8 is selected from the group consisting of hydrogen, C_1 - C_6 alkyl, and substituted C_1 - C_6 alkyl; and B is oxygen or -NR⁵;

E is selected from hydrogen, C_1 - C_6 alkyl and a moiety of the formula

$$(CH_2)_n$$

$$G : and$$

5 X is hydrogen or oxygen, with the proviso that

> when E is hydrogen and G is -COOH, -COOCH3, or a moiety of the formula of

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A is selected from the group consisting of aryl, heterocyclyl, substituted C_1-C_6 alkyl and C_7-C_{10} alkyl, provided that when X is hydrogen, n is 1 and G is a moiety of the formula of

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A is selected from the group consisting of heterocyclyl, and C_7 - C_{10} alkyl.

2. A compound of Claim 1 wherein

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A is selected from aryl, heterocyclyl, and C_1 - C_{10} alkyl, said aryl, heterocyclyl, and C_1-C_{10} alkyl being optionally substituted with one or more members selected from the group consisting of halogen, OH, aryl, C3-C8 cycloalkyl, $\rm C_1\text{-}C_{10}$ alkyl substituted with a halogen, $\rm C_1\text{-}C_{10}$ alkyl ether,

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heterocyclyl, carbonyl, oxime, -C(NNR3R4)R1, -COOR1, - $CONR^{1}R^{2}$, $-OC(O)R^{1}$, $-OC(O)OR^{1}$, $-OC(O)NR^{1}R^{2}$, $-NR^{1}R^{2}$, - $NR^3C(O)R^1$, $-NR^3C(O)OR^1$, and $-NR^3C(O)NR^1R^2$, wherein

R¹ and R² are independently selected from hydrogen,

C₁-C₁₀ alkyl, aryl, heterocyclyl, and alkylaryl, or R¹

and R² may be taken together to form a 5- to 10
member ring; and

R³ and R⁴ are independently selected from hydrogen,

C₁-C₁₀ alkyl, aryl, heterocyclyl, alkylaryl,

-C(O)R¹, or -C(O)NR¹R²;

10 and

G is selected from $-COOR^1$, $-C(O)COOR^1$, $-CONR^1R^2$, $-CF_3$, $-P(O)(OR^1)(OR^2)$, $-S-R^8$,

COOR²

 \mathbb{R}^5 and \mathbb{R}^6 are independently hydrogen or C_1 - C_6 alkyl;

$$O = \begin{pmatrix} R^6 \\ N \\ N \end{pmatrix}$$
, and $\begin{pmatrix} R^7 \\ N \\ N \end{pmatrix}$ wherein

 R^7 is hydrogen, $C_1\text{-}C_6$ alkyl, or -C(0) $R^5\,;$ R^8 is selected from the group consisting of hydrogen, $C_1\text{-}C_6$ alkyl, and substituted $C_1\text{-}C_6$ alkyl; and

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B is oxygen or $-NR^5$.

- 3. A compound of Claim 1 wherein X is oxygen.
- 5 4. A compound of Claim 1 wherein E is $C_1 C_6$ alkyl or a moiety of the formula

wherein G and n are as claimed in Claim 1.

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- 10 5. A compound of Claim 1 wherein A is optionally substituted C_1 - C_6 alkyl or optionally substituted aryl.
 - 6. A compound of Claim 5 wherein A is substituted $\rm C_1 \rm C_6$ alkyl and G is -COOH or -COOCH $_3$.
 - 7. A compound of Claim 1 wherein

A is optionally substituted C_1 - C_6 alkyl or optionally

substituted aryl;

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X is oxygen; and

N=N N=N

G is selected from $-COOR^1$, $-CONR^1R^2$, $-CF_3$,

$$P(O) (OR^1) (OR^2), -S-R^8, -O-R^8, and$$

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8. A compound of Claim 7 wherein

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A is C_1-C_6 alkyl or aryl, said C_1-C_6 alkyl or aryl being optionally substituted with one or more

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members selected from the group consisting of halogen, OH, aryl, C_3 - C_8 cycloalkyl, C_1 - C_{10} alkyl substituted with a halogen, C_1 - C_{10} alkyl ether, heterocyclyl, carbonyl, oxime, $-C(NNR^3R^4)R^1$, $-COOR^1$, $-CONR^1R^2$, $-OC(O)R^1$, $-OC(O)OR^1$, $-OC(O)NR^1R^2$, $-NR^1R^2$, $-NR^3C(O)R^1$, $-NR^3C(O)NR^1R^2$; and

G is selected from
$$-COOR^1$$
, $-CONR^1R^2$, $-CF_3$, $N=N$

9. A compound of Claim 1 which is selected from

- 15 10. A pharmaceutical composition comprising a compound of Claim 1 and a pharmaceutically acceptable carrier.
 - 11. A method of treating a subject suffering from a disorder in glucose and lipid metabolism, which comprises

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administering to the subject a therapeutically effective amount of a compound of Claim 1.

12. A method of inhibiting in a subject the onset of a disorder in glucose and lipid metabolism, which comprises administering to the subject a prophylactically effective dose of a compound according to Claim 1.

Omen.

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- 13.A method of Claim 11 or 12 wherein said disorder is a sendition of reduced insulin sensitivity.
- 14.A method of Claim 13 wherein said condition of reduced insulin sensitivity is Non-Insulin Dependant Diabetes Mellitus.

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15.A method of Claim 11 or 12 wherein said disorder is selected from Non-Insulin Dependant Diabetes Mellitus, obesity, nephropathy, neuropathy, retinopathy, atherosclerosis polycystic ovary syndrome, ischemia, hypertension, stroke, and heart disease.

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16.A method of Claim 15 wherein said condition is Non-Insulin Dependant Diabetes Mellitus.

25 17.A method of Claim 15 wherein said condition is obesity.

hypertension.

18.A method of Claim 15 wherein said condition is

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19.A process for making a pharmaceutical composition comprising mixing any of the compounds according to Claim 1 and a pharmaceutically acceptable carrier.